

NAME.....INDEX NUMBER.....

CANDIDATE'S SIGNATURE .....DATE.....

*@West practice papers-2021*

**AGRICULTURE**

**FORM 4**

**PAPER 2**

**443/2**

**INSTRUCTIONS TO CANDIDATES**

- (a). Write your name and index number in the spaces provided.
- (b) Sign and write the date of the examination in the spaces provided above.
- (c). This paper consists of three sections; A, B and C
- (d) Answer all the questions in section A and B
- ( e) Answer any two questions in section C
- (f) All the answers should be written in the spaces provided.
- (g) Candidates should check the questions papers to ascertain that all the pages are printed as indicated and that no questions are missing.
- (h) Candidate should answer all questions in English.

For examiner's use only

Section	Question	Maximum score	Candidate's score
A	1- 15	30	
B	16-19	20	
C		20	
		20	
	TOTAL	90	

**SECTION A ( 30 Marks )**

Answer all the questions in this section in the spaces provided.

**1, Give two reasons why docking is an important practice in sheep management. ( 1 mark )**

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**2(a) Name the camel breed that is adapted to cooler regions and has wooly body covering. ( ½ mk)**

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**(b) Give one reason why Fresian’s milk is more whitish while jersey milk is yellowish . ( ½ mk)**

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**(c), Give any two uses of litter materials in a poultry house. ( 1 mark )**

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**3. Give four advantages of using stones as construction materials. ( 2 marks )**

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**4. Outline three methods of stocking a bee hive. ( 1½ mk)**

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**5. List four ways in which vaccines are administered to an animal. ( 2 marks )**

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6. Give four predisposing factors to livestock diseases. ( 2 marks )

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7. Give four functions of proteins in the body of an animal. ( 2 marks )

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8, Name the tool used together with each of the following tools. ( 1 mark )

(a),Canula(b) Brace

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9. Differentiate between flushing and steaming up in livestock management. ( 2 marks )

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10. State two roles of drones in a bee colony. ( 1 mark )

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11. State two microbial activities that occur in the rumen. ( 1 mark )

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**12. Name three pests bees** ( 1½ mk)

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**13. Name four mineral deficiency livestock disorders.** ( 2 marks )

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**14. What do you understand by the term raddling as used in sheep management.** ( 1 mark )

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**15. Name one intermediate host in life cycle of a liver fluke.** ( 1 mark )

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**16. Give any three maintenance practices in a green house.** ( 1½ mk)

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**17, Give two faults of ignition system,** ( 1 mark )

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**18. Give four conditions that the animal structure should meet in order to help in controlling livestock disease.** ( 2 marks )

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19. Give six signs to show that a cow is on heat.

( 3 marks )

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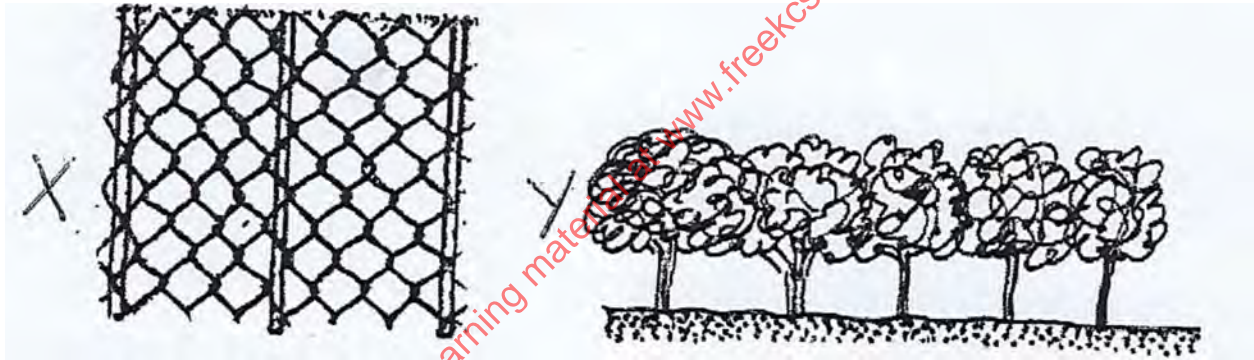
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**SECTION B ( 20 MARKS )**

Answer all the questions in this section in the spaces provided.

20. Study the illustration of fences below and answer the questions that follow.



(a.) Name the type of fences illustrated above.

( 2 marks )

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b) Name the correct tool used in maintenance of fence Y.

( 1 mark )

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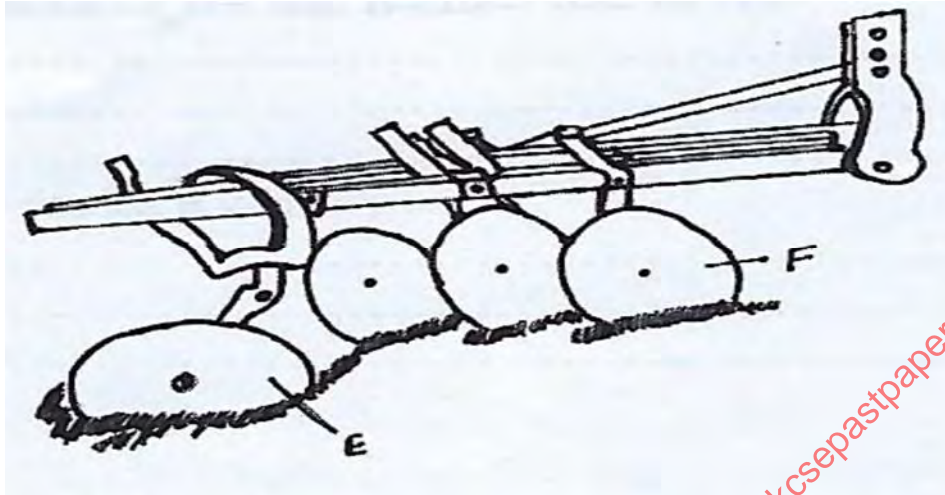
c). State three advantages that fence Y may have over fence X.

( 3 marks )

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21, The diagram below represents an implement



i.) Identify the implement.

( 1 mark )

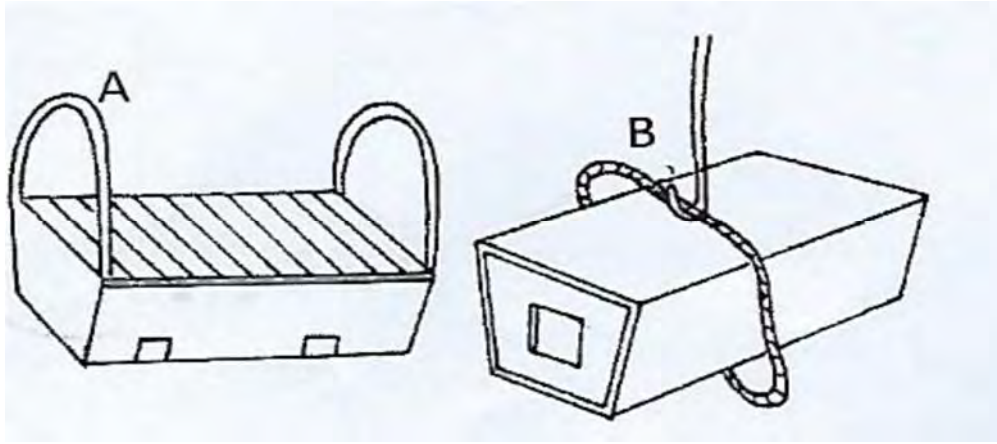
ii.) Name the parts labelled E and F give one function of each.

( 2 marks )

iii) State four maintenance practices carried out on the implement shown in the diagram. ( 4 marks )

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22. The diagram labelled A and B below shows two types of bee hives. Study them carefully and answer the questions



(i). Identify the types of beehives A and B. ( 2 marks )

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(ii). State two advantages of A over B. ( 2 marks )

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(iii) Give two maintenance practices for the named bee hives. (2 marks )

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(iv) Give one type of bee that make a colony. ( 1 mark )

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SECTION C ( 40 marks )

Answer any two questions from this section in the spaces provided.

23. (a) Describe eight difference between petrol and diesel tractor engines. ( 8 marks )

(b) Describe the principle of a four stroke (four –cycle) petrol engine. ( 12 marks )

**24. (a). Write short notes on foot and mouth disease under the following sub-headings.**

- (i) Casual organism ( 1 mark)**
- (ii) Mode of transmission ( 1 mark )**
- (iii) Symptoms of attack ( 4 marks )**
- (iv) Control measures ( 4 marks )**
- (b). State five importance of keeping livestock healthy ( 5 marks )**
- (c) State five general method of disease control (5 marks)**

**25. (a) Describe the procedure of establishing a fish pond.**

**( 10 marks )**

**(b) Describe the life cycle of a three host-tick**

**( 5 marks )**

**( c ) State five factors affecting digestibility**

**( 5 marks )**

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